WHAT IS CLAIMED IS

1.   A device for selecting a coding mode for a video encoding system, comprising:

a first memory for storing frame data of an input image;

a second memory for storing the previous frame data;

5   a motion prediction part for comparing the present input frame data stored in the first memory with the previous frame data stored in the second memory to detect a SAD (sum of absolute pixel differences) value; and

an SAD examiner for generating coding selection information for 10   coding the frame data in an intra-coding mode when the SAD value of the input frame data output from the motion prediction part exceeds a predetermined SAD threshold, or in an inter-coding mode when the SAD value of the input frame data does not exceed the predetermined SAD threshold.

2.   A coding mode selecting method in which an SAD value between input frames is used in a video encoding system, the coding mode selecting method comprising the steps of:

detecting the SAD value of input frame data;

5   determining whether the detected SAD value exceeds a predetermined SAD threshold;

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coding the input frame in an intra-coding mode when the SAD value of the input frame exceeds the SAD threshold; and

coding the input frame in an inter-coding mode when the SAD value of the input frame does not exceed the SAD threshold.

3.　　A device for selecting a coding mode for a video encoding system, comprising:

a motion prediction part for comparing data of a present input frame with data of a previous frame to detect a SAD (sum of absolute pixel differences) value; and

an SAD examiner for generating coding selection information for coding the frame data in an intra-coding mode when the SAD value of the input frame data output from the motion prediction part exceeds a predetermined SAD threshold, or in an inter-coding mode when the SAD value of the input frame data does not exceed the predetermined SAD threshold.